

Drs, Kurnia Brahmana, M.Si

Lecturer of Diploma Program in Physics Study Program
Faculty of Vocational Education
Universitas Sumatera Utara

✉ kurniabrahmana@usu.ac.id

🌐 vokasi.usu.ac.id/en/lecturer/kurnia-brahmana

Publications

2024

Jurnal nasional terakreditasi

Utilization of Bluetooth Module As An Additional Security of Arduino-Based Motorized Vehicles

KURNIA BRAHMANA , THERESIA MEGARANI

2024

Jurnal nasional terakreditasi

Comparing Energy Harvesting Efficiency between Solar Panels: Tracking the Sun vs Ground-Mounted 40 WP Panels

WARDAINI PANJAITAN , KURNIA BRAHMANA

2024

Artikel ilmiah

Penerapan Sistem Kontrol Kualitas Air Otomatis pada Sawah Sistem Mina Padi untuk Meningkatkan Jumlah dan Jenis Produk Pertanian

KURNIA BRAHMANA

2024

Tulisan ilmiah

Comparing Energy Harvesting Efficiency between Solar Panels: Tracking the Sun vs Ground-Mounted 40 WP Panels

KURNIA BRAHMANA

2023

Jurnal nasional

Improving Reading Accuracy of ACS712 Current Sensor with ATmega328 10-Bit ADC: Enhancing Resolution to 5mA/BIT via AD620 Differential Amplifier and Kalman Filters

KURNIA BRAHMANA

2020

Jurnal internasional

The Design of DC 12 V to DC 380 V 1000 Watt Converter with ATmega328 as a 65 KHz Oscillator

KURNIA BRAHMANA

2026

Monograf

Pemakaian modul gps Ir9540 (nmea) untuk mendapatkan data waktu universal berbasis mikrokontroller atmega8535

KURNIA BRAHMANA

2026

Jurnal nasional terakreditasi

Rancang Bangun Solar Tracker Pengikut Waktu dengan Panel 40WP Berbasis ATmega 328

2026

Monograf

Utilization of Bluetooth Module As An Additional Security of Arduino-Based Motorized Vehicles

KURNIA BRAHMANA

2026

Monograf

Utilization of taro beneng (xantoshoma undipes k. koch) starch in the manufacture of bioplastics with sorbitol plasticizer and its characterization

KURNIA BRAHMANA

2026

Monograf

Meningkatkan ketelitian flow meter dengan penggabungan sensor mekanik dan sensor efek hall dalam mendapatkan volume cairan serta memanfaatkan data logger berbasisÂ …

KURNIA BRAHMANA

2026

Monograf

Sistem Pengontrolan Tangki Air Menggunakan Sensor Magnetik Via Gelombang Radio

KURNIA BRAHMANA

2026

Jurnal internasional

Photovoltaic maximum power point tracking (MPPT) using Arduino with fuzzy logic controller method

KURNIA BRAHMANA

Researches

2021

Penelitian Fundamental

PENGEMBANGAN POWER SUPPLY DC 380V DARI AKI DENGAN METODE PUSH PULL DC TO DC KONVERTER

KURNIA BRAHMANA , TAKDIR TAMBA
